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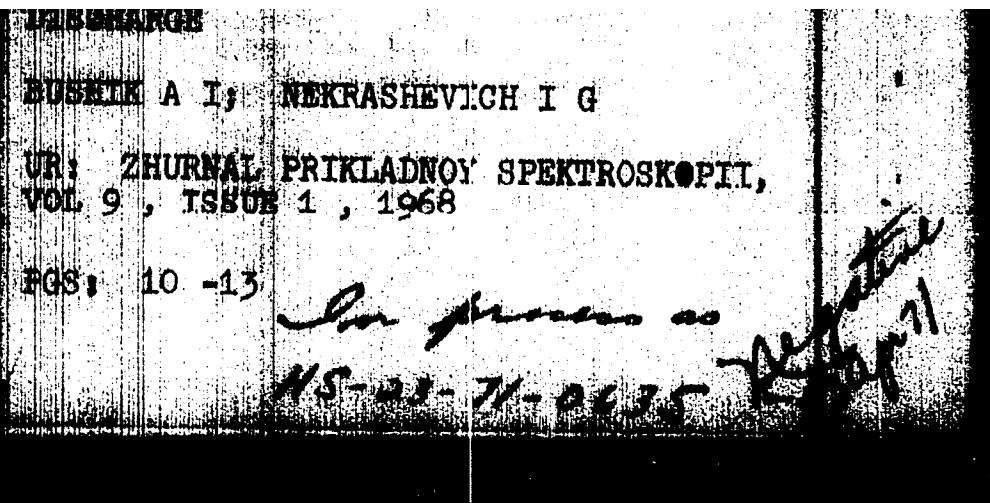
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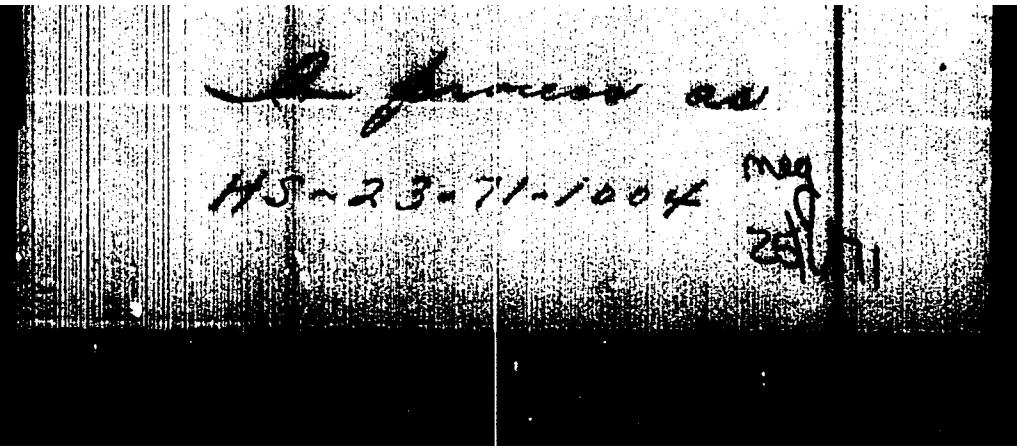
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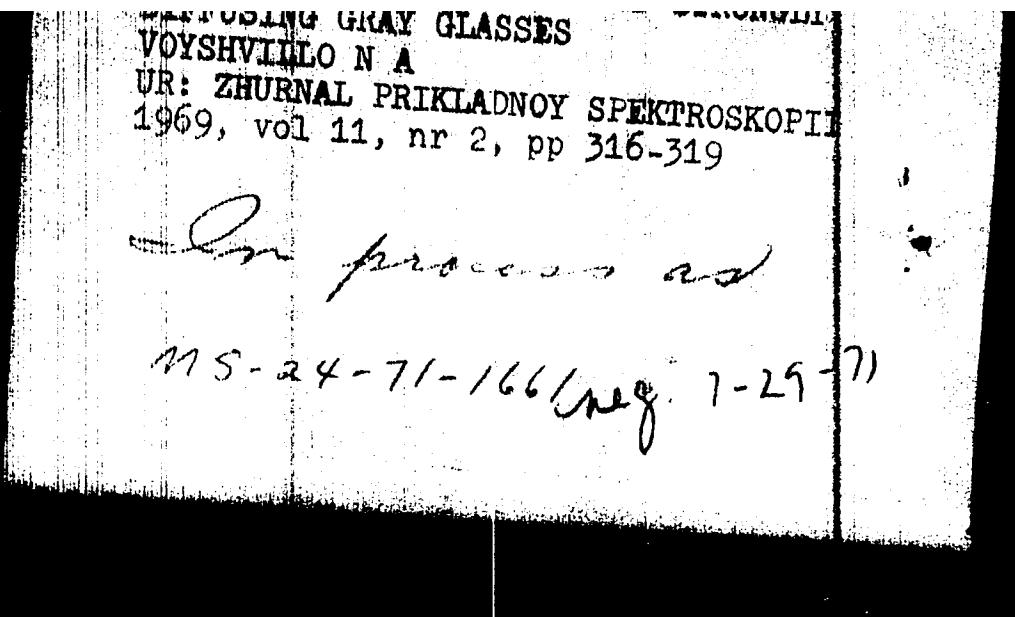
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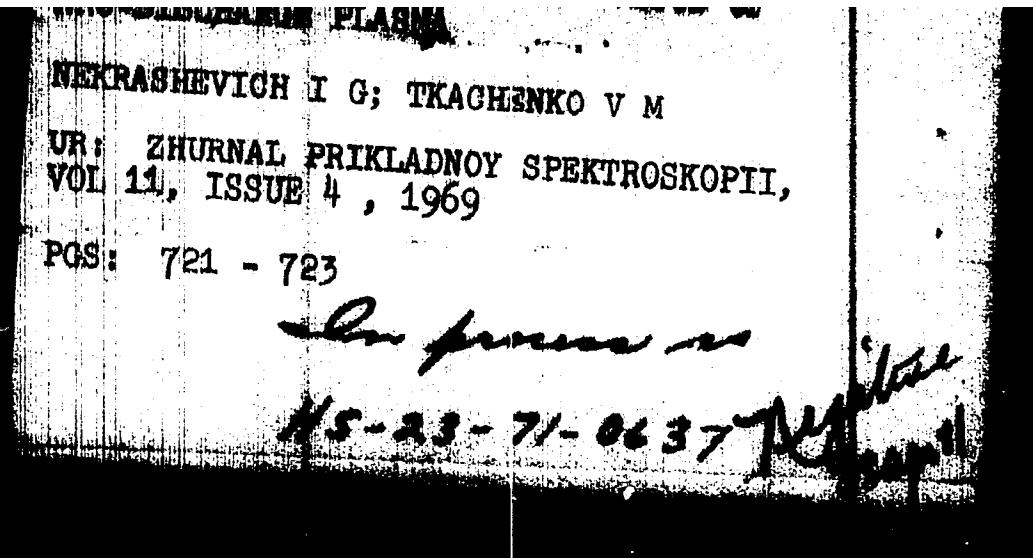
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SOME CHARACTERISTICS OF THE LASER BEAM EROSION
OF MATERIALS [NEKOTORYYE OSOBNOSTI FROZII
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(Contract NASW-2038)
(NASA TT F 13338) Avail. NTIS : GCI 201

Space distribution of condensed matter ejected from certain
subjected to laser radiation erosion was investigated to improve
spectral analysis sources with simultaneous use of electrical
discharge. Laser pulse energy was 7μ , and the light was focused by
means of a lens. Angular distribution of matter ejected was measured
for Cu, alloys Zn-Ti, Fe-Si, Pb-Sn, Al-Mg, and W
condensed on a glass plate situated perpendicularly to the laser
beam. Maximum density of the condensed material and the angular
position of this maximum were plotted as a function of the
melting point of the material. Chemical composition of the sample
corresponds to that of the ejected material. An arrangement of
electrodes for spectral analysis carried out during simultaneous laser
function and discharge was proposed

Author



Infrared Radiation of a Discharge Applicable to
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METHODS FOR CONCENTRATING AND ELIMINATING
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